

An aerial photograph of a winding dirt road in a desert landscape. The road is light brown and curves through sparse, low-lying vegetation. In the background, there are rolling hills and mountains under a clear sky. The overall image has a slightly faded, blue-tinted appearance.

Air Quality

Project Process

NEPA Documentation

- **Air Quality – Two requirements to consider**
 - **Transportation Conformity**
 - **Project-level conformity**

What is Transportation Conformity?

- Required under the CAA Section 176(c)
 - Transportation plans, programs and projects **cannot:**
 - create new National Ambient Air Quality Standard (NAAQS) violations
 - increase the frequency or severity of existing NAAQS violations or
 - delay attainment of the NAAQS

What is Project-level Analysis?

- Analysis to satisfy transportation conformity
- Alternatives analyzed
- Examination of localized circumstances



Project Data Sheet (PDS)

Process

- Project Description
 - Brief scope, project location
- Determine if project is adding capacity or significantly altering alignment
 - Yes,
 - No,

PDS - Process

- Is project in a non-attainment or maintenance area?
- Yes, Air Quality analysis can be in the form of.....
 - Qualitative analysis – simplified analysis
 - Qualitative evaluation report
 - Quantitative (modeling) report
- No, conformity determination does not apply.

Air Quality Analysis

- Qualitative analysis
 - Boiler-plate language
 - Tailor language to project description
- Quantitative analysis
 - Consultant does modeling
 - Mobile 6.2 (emissions model)
 - CAL3QHC (dispersion model)

A photograph of a dirt road winding through a dry, hilly landscape. The road is light brown and has visible tire tracks. The surrounding vegetation is sparse and dry, consisting of small, scrubby bushes and grasses. In the background, there are rolling hills under a clear, light blue sky. The overall tone of the image is muted and slightly desaturated.

Any Questions?

References

Arizona Department of Environmental Quality

- <http://www.adeq.state.az.us/environ/air/plan/notmeet.html>

EPA Office of Air Quality Planning and Standards

- <http://www.epa.gov/oar/oaqps>
- http://www.epa.gov/oar/oaqps/peg_caa/pegcaain.html

Federal Highway Administration Air Quality Website

- <http://www.fhwa.dot.gov/environment/aqupdate/index.htm>